



ADJUSTABLE CAM SPROCKETS

Adjustable cam sprockets are the only way to accurately install a set of cam shafts. APE offers a wide range of fitments for both bolt-on or press-on replacement sprockets.



HIGH PERFORMANCE VALVE SPRINGS

Manufactured from aircraft-quality wire, accurately wound, shot peened, and tempered. 100% magnafluxed springs for maximum valve control.



VALVE GUIDE SEALS



These valve guide seals are the racer's choice. They don't crack, dry out or deteriorate. These are specially designed with a double lip for better oil control. Available in sets of 8 or 16. Priced per seal.



RACING VALVE SPRINGS & TI RETAINER SETS



When high RPM and increased valve lift go together, severe valve train conditions exist. These sets are crucial to durable engines. Retainers are lightweight 6AL-4V titanium alloy, machined for the race-proven springs. Include spring seats/shims as needed.

RACING VALVE TAPPET

The only answer to extreme valve acceleration and lift curves is to place the valve clearance adjusting shim under the bucket. These one-piece 8620 aircraft grade alloy steel buckets are the surest way to guarantee accurate valve control. For shim under applications from Old School aircooled through today's modern four cylinders.



BRONZE VALVE GUIDES

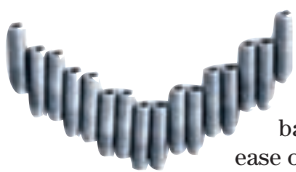
These special guides are manufactured from a nickel aluminum bronze material designed especially for racing and sustaining



high speeds. In most cases, guides are shortened for increased cam lift clearance. Available in standard and over-sizes.



EXTENDED ROCKER ARM ADJUSTERS



Suzuki GS and GSXR four valve rocker arm adjusters to be used with stock rocker arms when the cam base circle is altered. Also ease of adjustment is obtained by use of Allen-type wrench.



RACING SPRING RETAINERS

Racing valve spring retainer sets available in 7075 aluminum and/or titanium alloy. Titanium retainers in most cases use stock keepers.



KEEPERS

These are standard OEM-style replacement keepers. Priced per piece.





ORIENT EXPRESS CAM CHAIN TENSIONERS

Anodized billet aluminum body with fine pitched, o-ringed pusher/adjuster.



HAYABUSA HD CAM CHAINS

Produced from the strongest and finest steel available. Recommended in all high performance street and racing applications. Available in standard 136 link or extended for stroker applications.

APE MANUAL BILLET CAM CHAIN TENSIONERS

Prevent cam chains from jumping timing—replace the standard spring loaded tensioner. These tensioners allow for locked, proper tension.



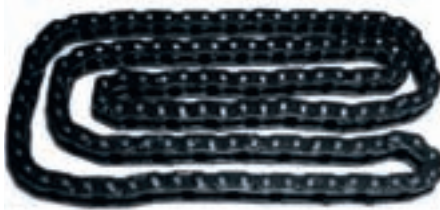
APE CAM CHAIN CONVERSION

For extreme applications. Replaces standard hyvo chain with heavy duty roller chain and sprockets. Great for strokers.



TSUBAKI HEAVY DUTY CAM CHAINS

When it comes to cam chains there is only one real choice, Tsubaki. Special construction and heat treating guarantee the finest cam chain available. This is the same cam chain used in all ORIENT EXPRESS record-setting race engines.



TOOL STEEL LASH CAPS

These lash caps are for use with titanium or custom valves where base circle requirements or valve tip is not hard enough to sustain valve train load. Available for 5, 6, 6.5 and 7mm stems.



STAINLESS AND TITANIUM VALVES

Orient Express stocks a wide range of stainless and titanium valve blanks for custom applications. We proudly offer valves for both large bore sportbikes as well as modern four stroke offroad applications.

BLACK DIAMOND® STAINLESS STEEL VALVES



Impregnated by a special German process .002" deep with a .0002" surface build-up to improve wear properties and reduce friction. This process provides resistance to corrosion and wear, superior to that developed by hard chromium and electrolysis nickel plating. These valves are light and the profiles provide excellent flow characteristics.



FERREA RACING VALVES

Ferrea developed the motorcycle-racing valve implementing the same technology as their extreme duty, competition plus (automotive) racing valve. The net result is a valve that can withstand the punishment of extremely high RPM, multiple stages of nitrous injection, turbochargers, and even blown fuel applications. No other valve even comes close to the performance and reliability of Ferrea's. Their valves have set more records in numerous categories worldwide than any other valve.





BIG BLOCK EXCHANGE

When the need strikes and stock just won't do—there's always a quick, easy way to go BIGGER. Orient Express keeps a variety of finished core blocks for GSX1300R Generation 1 and 2 models, ZX12 and XV1600/1700 Yamaha for quick, easy exchange. Ours are bored, nickel silicone, carbide electroplated, and diamond-honed to perfection by Millennium.

Sold with piston purchase only.

BLOCK CORE REQUIRED OR CORE CHARGE APPLIES.



HAYABUSA BILLET BIG BLOCKS

Hayabusa Billet Big Blocks are used to get the maximum performance out of your Suzuki Hayabusa.



- CNC machined out of 6061 T6 aluminum
- Available in stock and offset bore spacing.
- Bore sizes from stock (81mm) to 1500cc (87mm)
- Nickasil cylinder plating and diamond honing by Millennium Technologies
- Available as a complete big block assembly (block, pistons, rings, wrist pins, and head gasket). Or just block.

Note: These block are dry, they have no water passages.

HEAVY DUTY CYLINDER STUDS

Precision manufactured EN24T chrome moly steel, ground and rolled studs eliminate blown head gaskets and oil leaks.



HEAVY DUTY CASE STUDS

Heat treated 8740 chrome moly steel case studs are necessary to keep the cases from moving under power in a high output engine. The high strength studs also help prevent crankshaft damage. Made from the same special chrome moly as our cylinder studs, all threads are rolled after heat treating to provide the strongest thread available. All sets come complete with special flanged nuts.



THE BIGCC RACING CYLINDER HEAD OIL FEED LINE

Designed to replace the standard Suzuki feed, with increased flow & better durability. Stainless fittings either end with a dash 4 flow through the bore & fittings ensure max flow.

HEAVY DUTY CYLINDER HEAD NUTS

Special hardened cylinder head nuts will not stretch or loose torque.



OVERSIZE SLEEVES

ORIENT EXPRESS uses precision American made big bore sleeves, not imported copies. These high nickel alloy sleeves may cost more but are the only choice when bore finish and ring seal are the major factor in your decision.



EXHAUST BLOCKOFFS

For removal of air injector system.

BREATHER BLOCKOFFS

allow removal of original breather covers.

